

Title (en)
NETWORK AUTONOMOUS WIRELESS LOCATION SYSTEM

Title (de)
NETZAUTONOMES DRAHTLOSES ORTUNGSSYSTEM

Title (fr)
SYSTÈME DE LOCALISATION SANS FIL INDÉPENDANT DU RÉSEAU

Publication
EP 2422209 A4 20121003 (EN)

Application
EP 10767486 A 20100326

Priority

- US 2010028951 W 20100326
- US 42832509 A 20090422

Abstract (en)
[origin: US2010273504A1] A Network Autonomous Wireless Location System (NAWLS) is designed to allow for precise location of a mobile device (e.g., a cell phone) without interconnection to, and with minimal disruption of, the local wireless communications network. Using distributed radio network monitors (RNM) and a managed network emulator (NE); mobile devices are sampled, acquired or captured. Once triggered by the RNM or NE, an untethered wireless location system (U-WLS) is used to calculate a precise location. The U-WLS; comprising mobile receiver sites, each capable of self location, exchanging information with other components of the NAWLS, and receiving or exchanging signals from the mobile device; utilizes various network-based and handset-based wireless location techniques dependent on the deployed options. In addition, the NAWLS includes data links interconnecting the U-WLS, NE and RNM.

IPC 8 full level
G01S 5/02 (2010.01); **G01S 19/46** (2010.01)

CPC (source: EP KR US)
G01S 5/0249 (2020.05 - EP KR US); **G01S 19/46** (2013.01 - EP KR US); **H04K 3/65** (2013.01 - EP KR US); **H04W 64/00** (2013.01 - KR); **H04K 2203/16** (2013.01 - EP KR US)

Citation (search report)

- [X1] WO 2005011317 A1 20050203 - SIEMENS AG [DE], et al
- [A] DE 19920222 A1 20001109 - ROHDE & SCHWARZ [DE]
- [A] US 2002183073 A1 20021205 - MORGAND PHILIPPE [FR], et al
- See references of WO 2010123655A1

Cited by
CN102706356A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
US 2010273504 A1 20101028; US 8213957 B2 20120703; AU 2010239592 A1 20110915; AU 2010239592 B2 20140529; BR PI1013575 A2 20160412; CA 2755033 A1 20101028; CA 2755033 C 20140729; CN 102405418 A 20120404; CN 102405418 B 20150121; EP 2422209 A1 20120229; EP 2422209 A4 20121003; IL 214869 A0 20111130; IL 214869 A 20160331; JP 2012524901 A 20121018; KR 20120005525 A 20120116; MX 2011011102 A 20111118; WO 2010123655 A1 20101028

DOCDB simple family (application)
US 42832509 A 20090422; AU 2010239592 A 20100326; BR PI1013575 A 20100326; CA 2755033 A 20100326; CN 201080017548 A 20100326; EP 10767486 A 20100326; IL 21486911 A 20110829; JP 2012507233 A 20100326; KR 20117027727 A 20100326; MX 2011011102 A 20100326; US 2010028951 W 20100326